

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A motorized front derailleur mounting member comprising:

a bicycle frame mounting portion including a curved front surface with a threaded hole configured and arranged to be coupled to a bicycle frame;

a front derailleur mounting portion configured and arranged to be coupled to a linkage of a front derailleur, the front derailleur mounting portion including first and second link supporting parts defining a link receiving space therebetween, the first and second link supporting parts having at least a first pivot point with a first pivot axis; and

a motor unit mounting portion configured and arranged to be coupled to a motor unit, the motor unit mounting portion including an output shaft cutout disposed at a location spaced apart from the link receiving space such that an output shaft of the motor unit is offset from the link receiving space when the output shaft is disposed in the output shaft cutout.
2. (Original) The motorized front derailleur mounting member according to claim 1, wherein

the bicycle frame mounting portion, the front derailleur mounting portion and the motor unit mounting portion are integrally formed as a one-piece, unitary member.
3. (Currently Amended) The motorized front derailleur mounting member according to claim 1, wherein

~~the motor unit mounting portion including an~~ the output shaft cutout of the motor unit mounting portion ~~that~~ has a center axis that is substantially parallel to the first pivot axis of the first pivot point of the front derailleur mounting portion.

4. (Original) The motorized front derailleur mounting member according to claim 3, wherein

the threaded hole of the bicycle frame mounting portion includes a longitudinal axis that is substantially parallel to the center axis of the output shaft cutout of the motor unit mounting portion.

5. (Original) The motorized front derailleur mounting member according to claim 4, wherein

the output shaft cutout of the motor unit mounting portion is a hole surrounded by material of the motor unit mounting portion.

6. (Original) The motorized front derailleur mounting member according to claim 3, wherein

the output shaft cutout of the motor unit mounting portion is a hole surrounded by material of the motor unit mounting portion.

7. (Original) The motorized front derailleur mounting member according to claim 5, wherein

the front derailleur mounting portion further includes a second pivot point with a second pivot axis that is substantially parallel to the first pivot axis of the first pivot point.

8. (Original) The motorized front derailleur mounting member according to claim 1, wherein

the front derailleur mounting portion further includes a second pivot point with a second pivot axis that is substantially parallel to the first pivot axis of the first pivot point.

9. (Original) The motorized front derailleur mounting member according to claim 1, wherein

the motor unit mounting portion further includes a plurality of mounting parts.

10. (Original) The motorized front derailleur mounting member according to claim 9, wherein

the mounting parts of the motor unit mounting portion are threaded holes.

11. (Currently Amended) ~~The motorized front derailleur mounting member according to claim 10, wherein~~ A motorized front derailleur mounting member comprising:

a bicycle frame mounting portion including a curved front surface with a threaded hole configured and arranged to be coupled to a bicycle frame;

a front derailleur mounting portion configured and arranged to be coupled to a linkage of a front derailleur, the front derailleur mounting portion including at least a first pivot point with a first pivot axis; and

a motor unit mounting portion configured and arranged to be coupled to a motor unit, the motor unit mounting portion including a plurality of mounting parts, the mounting parts being threaded holes,

the bicycle frame mounting portion, the front derailleur mounting portion and the motor unit mounting portion ~~[[are]]~~ being integrally formed as a one-piece, unitary member.

12. (Currently Amended) ~~The motorized front derailleur mounting member according to claim 1, wherein~~ A motorized front derailleur mounting member comprising:
a bicycle frame mounting portion including a curved front surface with a threaded hole configured and arranged to be coupled to a bicycle frame, the bicycle frame mounting portion further including ~~includes~~ a projection that projects outwardly from a first side of the motorized front derailleur mounting member to a free end that forms the curved front surface with the threaded hole;
a front derailleur mounting portion configured and arranged to be coupled to a linkage of a front derailleur, the front derailleur mounting portion including at least a first pivot point with a first pivot axis; and
a motor unit mounting portion configured and arranged to be coupled to a motor unit.

13. (Currently Amended) The motorized front derailleur mounting member according to claim 8, wherein
the front derailleur mounting portion is configured and arranged to form a fixing body having the first and second link supporting parts being configured and arranged to define ~~[[a]]~~ the link receiving space therebetween.

14. (Original) The motorized front derailleur mounting member according to claim 13, wherein
the first and second link supporting parts each include a first pivot pin mounting hole

forming the first pivot axis of the first pivot point and a second pivot pin mounting hole forming the second pivot point.

15. (Original) The motorized front derailleur mounting member according to claim 14, wherein

the first and second link supporting parts are configured and arranged such that the first and second link supporting parts are spaced different at the first pivot pin mounting holes than at the second pivot pin mounting holes.

16. (Previously Presented) A motorized front derailleur mounting member comprising:

a bicycle frame mounting portion including a curved front surface with a threaded hole configured and arranged to be coupled to a bicycle frame;

a front derailleur mounting portion configured and arranged to be coupled to a linkage of a front derailleur, the front derailleur mounting portion including at least a first pivot point with a first pivot axis, the first pivot axis of the first pivot point being configured to pass through the threaded hole; and

a motor unit mounting portion configured and arranged to be coupled to a motor unit.

17. (Currently Amended) A motorized front derailleur assembly comprising:

a motorized front derailleur mounting member including

a bicycle frame mounting portion including a front surface with a threaded hole configured and arranged to be coupled to a bicycle frame,

a front derailleur mounting portion configured and arranged to form a fixing body having first and second link supporting parts defining a link receiving space therebetween, the first and second link supporting parts having first and second fixed pivot points, and

a motor unit mounting portion configured and arranged to be coupled to a motor unit, the motor unit mounting portion including an output shaft cutout disposed at a location spaced apart from the link receiving space such that an output shaft of the motor unit is offset from the link receiving space when the output shaft is disposed in the output shaft cutout;

a chain guide having first and second shifted pivot points;

a first link having a first end pivotally coupled to the first fixed pivot point of the fixing body and a second end pivotally coupled to the first shifted point of the chain guide; and

a second link having a first end pivotally coupled to the second fixed pivot point of the fixing body and a second end pivotally coupled to the second shifted point of the chain guide.

18. (Original) The motorized front derailleur assembly according to claim 17, wherein

the bicycle frame mounting portion, the front derailleur mounting portion and the motor unit mounting portion are integrally formed as a one-piece, unitary member.

19. (Currently Amended) The motorized front derailleur assembly according to claim 17, wherein

~~the motor unit mounting portion including an~~ the output shaft cutout of the motor unit mounting portion that has a center axis that is substantially parallel to the first pivot axis of the first pivot point of the front derailleur mounting portion.

20. (Currently Amended) ~~The motorized front derailleur assembly according to claim 17, wherein~~ A motorized front derailleur assembly comprising:

a motorized front derailleur mounting member including

a bicycle frame mounting portion including a front surface with a

threaded hole configured and arranged to be coupled to a

bicycle frame, the bicycle frame mounting portion further

including ~~includes~~ a projection that projects outwardly from a

first side of the motorized front derailleur mounting member to

a free end that forms the front surface with the threaded hole

a front derailleur mounting portion configured and arranged to

form a fixing body having first and second fixed pivot points,

and

a motor unit mounting portion configured and arranged to be

coupled to a motor unit;

a chain guide having first and second shifted pivot points;

a first link having a first end pivotally coupled to the first fixed pivot

point of the fixing body and a second end pivotally coupled to the first shifted

point of the chain guide; and

Appl. No. 10/786,153
Amendment dated October 30, 2007
Reply to Office Action of August 9, 2007

a second link having a first end pivotally coupled to the second fixed
pivot point of the fixing body and a second end pivotally coupled to the second
shifted point of the chain guide.